

ABSTRACT OF THE DISCLOSURE

In a normal operation state, a connection management section ~~21~~ writes data transmitted from a first processing section ~~13~~ to a data temporary storage section ~~22~~, and reads data to be received by ~~the~~ a second processing section ~~14~~ from the data temporary storage section ~~22~~. Upon receiving control signals ~~31 and 32~~ which instruct a change of the subject of processing, the first processing section ~~13~~ and the second processing section ~~14~~ output a transmitting-end clear request ~~41~~ and a receiving-end clear request ~~42~~, respectively. The connection management section ~~21~~ reads data from the empty data storage section ~~23~~ after a transmitting-end clear request ~~41~~ is received and until a receiving-end clear request ~~42~~ is received, and writes data to the empty data storage section ~~23~~ after a receiving-end clear request ~~42~~ is received and until a transmitting-end clear request ~~41~~ is received.